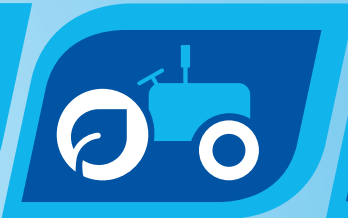
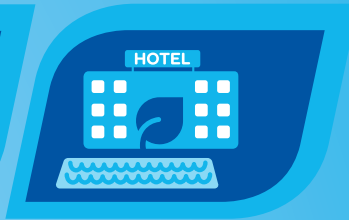
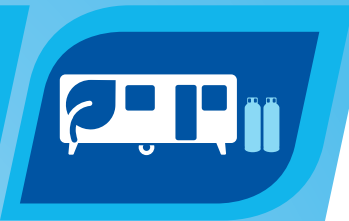


Flogas Autogas – a breath of fresh air.



people with energy

# LPG from Flogas – a breath of fresh air.

Modern

Clean

Efficient

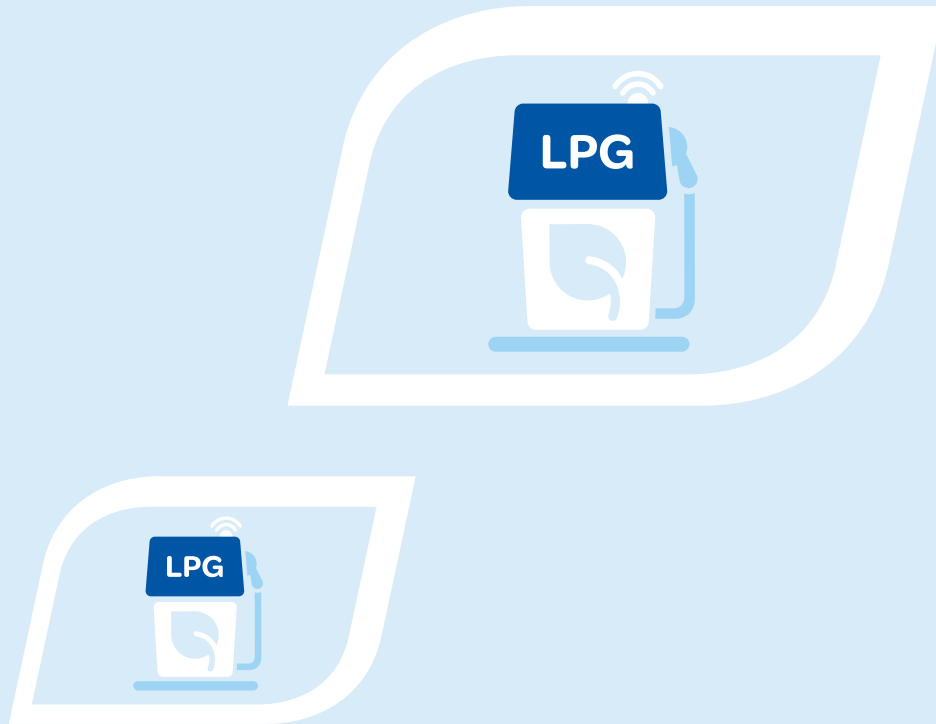
Accessible

## LPG is:

- A multi-purpose, modern, clean, accessible and efficient energy source.
- The cleanest fossil fuel available off the national grid.
- Limiting the impact of energy use to global warming due to its low CO<sub>2</sub> emissions.
- Promoting human health by limiting air pollution thanks to low particle emissions, low nitrous oxide emissions and low sulphur content.
- Making a modern energy accessible to consumers out of reach of mains alternatives.
- Accelerating the development of renewable energy by serving as a clean back up for intermittent renewables such as solar and wind.

The combustion of LPG has almost no harmful impact on the environment or on human health, making it a clean, low carbon alternative to other fossil fuels. It burns completely, efficiently and emits significantly less pollutants than most conventional fuels.





## What is Autogas?

Simply put, Autogas is the name we use for LPG when it is used to power motor vehicles.

LPG autogas is by far the most popular environmentally friendly alternative fuel with in excess of 15 million vehicles worldwide, 8 million in Europe and 160,000 + in the UK. It is also the most widely available with over 1400 refuelling sites in the UK alone; most of which are conveniently located on petrol forecourts.

With a simple conversion, your vehicles can be adapted to run on Autogas and enjoy all the benefits that this exceptional energy brings.

# Benefits of Autogas



## A greener fuel

In the UK, the Carbon Trust (via DEFRA) define the following comparative CO<sub>2</sub> equivalents between the readily available automotive fuel alternatives when used for owned transport applications:

	Carbon Equivalent	% Difference to LPG
LPG	1.4951	0
Diesel	2.6304	+76%
Petrol	2.3154	+55%

*LPG is a low carbon fuel that can help reduce your carbon footprint.*

LPG has three physical properties that are particularly relevant to its carbon footprint:

1. In comparison to most hydrocarbons, LPG has a low carbon to hydrogen ratio, which means that it will generate lower amounts of CO<sub>2</sub> per amount of heat produced.

2. It has a comparably high heating value, meaning it contains more energy per kilogramme than most competing fuels.

3. According to the United Nations International Panel on Climate Change (IPCC), LPG is not a greenhouse gas, meaning it is assigned a global warming potential (GWP) factor of zero. The IPCC lists the GWP factor of CO<sub>2</sub> as 1 (by definition as it is the equivalent measure of a carbon footprint) and methane as 25.

Direct emissions of LPG do not contribute to climate change.



Cleaner

Safer

Reduced  
Wear

Exceptional  
Energy

### A cleaner fuel

As well as carbon footprinting, local air quality is an increasingly important environmental factor. Pollution of air can seriously influence the health of not only humans but plants, animals and even buildings. The majority of local air pollution is caused by the combustion of fuel for transport, heating and power generation. Based on the most authoritative data available, LPG emits 53% less NOx than petrol and 120 times less small particle emissions than diesel.

### A cheaper fuel

**Cheaper to buy** - The cost of Autogas is approximately half that of petrol and diesel. Despite a slightly higher consumption when compared to petrol or diesel, the cost savings are significant. Typically LPG vehicle users can save around 40% on fuel costs compared to petrol and 20% on fuel costs when compared to diesel (UKLPG). This lower price is largely due to Government support and taxation; a commitment that has been confirmed for the future.

**Cheaper to tax** – Vehicles registered with UKLPG can request that the vehicle taxation class is changed to 'Alternative Fuel Car'. This is then eligible for a reduction in vehicle excise duty.

**Cheaper to run** – Oil and filter life can be doubled as LPG leaves less deposits in the combustion process than petrol or diesel, thus reducing the chances of oil contamination. Cylinder and piston wear is reduced because LPG mixes better with air during cold starts as it enters the chamber as a gas, as opposed to petrol and diesel which enter as a liquid.

In addition to reduced wear and tear, you will benefit from exemptions to city based congestion charges and in some areas you will enjoy free parking.

### Flexible fuel

Most vehicle conversions are dual-fuel meaning that you can run on both petrol and LPG. This extends the range of the vehicle significantly and means that you will never be stuck for a re-fuelling solution.

### A safer fuel

According to Dutch Research Agency TNO, the safety of modern autogas vehicles is better than that of petrol vehicles.

### A reliable fuel

Not only is the re-fuelling infrastructure in the UK developed and freely available, there is also a wide network of servicing and maintenance organisations to support this growing market.



# Vehicle conversions

Security of Supply

Convenience

Turnkey Solution

Exceptional Energy

Most petrol vehicles can be converted. The average cost of conversion is around £1,200 for a car or light van (Source: UKLPG). This depends however on both the size of the vehicle and the size of the LPG storage tank selected. Larger tanks are more expensive but mean increased range between fills. It is essential that you use a UKLPG Approved Installer to ensure compliance with industry standards and regulations.

Finance and leasing options are available on a wide range of new LPG vehicles from household names such as Lex Vehicle Leasing and Lloyds TSB Autolease. It is also worth noting that the residual value of LPG converted cars can have as high as a 15% premium than the equivalent petrol car (UKLPG).



## Fleet Autogas

If you are converting ten or more vehicles then you would enjoy the benefits of a Fleet Package.

As well as the inherent benefits of this exceptional energy, you would also enjoy your own storage and re-fuelling solution, particularly suited to a 'back to base' operation. This provides not only security and convenience of supply, it also adds to an already significant cost saving as you enjoy a wholesale buying price.



## A unique turnkey solution

At Flogas we can help you with all aspects of the move to Autogas from concept to installation:

- Cost and carbon saving analysis
- Vehicle conversions
- Lease agreements
- Storage solutions
- Refuelling locations
- Installation

Optional extras include the provision of a gas dispensing meter, which can be a simple measuring device or a sophisticated 'petrol pump' style unit. The unit is also compatible with a number of fuel card readers such as Triscan. It is also possible in the majority of cases to link it to your existing fuel management system. Flogas can install the systems on site or alternatively, we can supply them fully assembled on a pre-fabricated refuelling unit which only requires connection to a suitable electrical supply.



## Flogas Autogas – a breath of fresh air.

To find out more:

Visit our website [www.flogas.co.uk](http://www.flogas.co.uk)  
or call us now on **0800 0223 308**.

We look forward to welcoming  
you as a Flogas customer.

## Also available from Flogas



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Autogas



Diesel / LPG Mix



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Hotel & Leisure



Oil to LPG



Caravan



Manufacturing



Construction



Dealers

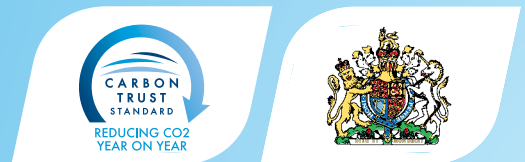


Safety

Call 0800 0223 308 or visit [www.flogas.co.uk](http://www.flogas.co.uk) to order your copy



people with energy



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